**Honors Algebra II Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Mrs. Britton

# Chapter 4B – Test Review Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**For 1-2, solve by graphing. State multiplicity when needed. You do not need to sketch a graph.**

1.  2. 

**For 3-4, solve by factoring. State multiplicity when needed. You do not need to sketch a graph.**

3.  4. 

**For 5-6, solve by using synthetic division. State multiplicity when needed. You do not need to sketch a graph.**

5.  6.

**For 7-8, write a polynomial function f of least degree that has rational coefficients, a leading coefficient of 1, and the given zeros.**

7.  8. 

**For 9-10, find the requested information for the given function (round to the nearest hundredth) and sketch the graph.**

9. ****

1. Local max:
2. Local min:

1. Intervals (increasing):
2. Intervals (decreasing):

e. End behavior:

f. Even, odd, or neither

10. 

a. Local max:

b. Local min:

c. Intervals (increasing):

1. Intervals (decreasing):

e. End behavior:

f. Even, odd, or neither